

Ferrometal **PARTITIONS**

TOILET COMPARTMENTS

SHOWER STALLS

DRESSING ENCLOSURES

CUBICLE PARTITIONS

**FERROMETAL DIVISION
MILWAUKEE STAMPING CO.
CHICAGO 51, ILLINOIS**

QUALITY METAL PRODUCTS SINCE 1893



Home Office, John Hancock Mutual Ins. Co., Boston, Mass.
Cram & Ferguson, Archts. — Turner Construction Co., Contractor



State Tuberculosis Hospital, San Antonio, Texas — Phelps,
Deweese & Simons, Archts. — J. J. Fritch, Contractor.



Mid America Home Office, Prudential Life Ins. Co., Chicago, Ill.
Naess & Murphy, Archts.; George A. Fuller Co., Contr.

Company Background

Since 1893 the Milwaukee Stamping Company has experienced continued growth in metal fabrication and have become quality leaders in many diversified markets including Ferrometal partitions, special stampings, builders and luggage hardware, metal furniture and shower cabinets. Since 1929 Ferrometal has been a potent factor in the progressive drive to establish ever higher standards of product acceptance. Many innovations now accepted as quality standards are attributable to the resourcefulness and ingenuity of Ferrometal engineering. Newer and improved techniques for an ever better product are constantly being originated, studied, tested and employed.

large scale quality production

An associate of a multi plant organization, the Milwaukee Stamping Company occupies over 275,000 square feet of manufacturing area. Extensive facilities, include a complete tool and die shop, punch press capacity to 250 tons, shears, press brakes, automatic screw machines, acetylene, arc and spot welding, light machining, assembly, complete plating, polishing and finish painting systems. Manned by employees of many years tenure, quality control is further achieved by a rigid inspection system.

large stock means rapid service

Along with added productive area Ferrometal has increased sharply upward its inventories of raw materials to assure a constant flow of partitions to



Air Terminal, General Mitchell Field, Milwaukee, Wisconsin
John Messmer, Superintendent of Buildings
Milwaukee County Architect

COMPANY and PRODUCT

its many users. To provide even more efficient and prompt service large stocks of fabricated partitions, doors and pilasters in standard sizes are carried constantly. Emergency shipments of standard size parts can be effected within a matter of days.

large facilities

To satisfy the demand for its product Ferrometal has recently availed itself of the added production of a new facility designed exclusively for the most modern and efficient production of toilet partitions. Located in the Chicago area, prompt service can be provided everywhere through Ferrometal's over 100 local representatives.

endorsements

The stature of Ferrometal in the building industry testifies to the confidence placed in it by owners, architects and contractors everywhere on all types and sizes of projects ranging from service stations to the largest of monumental buildings including factories, utilities, schools, universities, hospitals, transportation terminals, religious, office and governmental buildings. Further attesting to Ferrometal engineering capabilities and product quality are the special applications use as ward room dividers, shipboard use and simplified office subdivisions. A representative list of projects and illustrations of product use in some better known buildings are shown here.

Product Features

- **Stainless Steel Hardware**
For ultimate strength, life-time use and beauty.
- **Concealed Matchless Gravity Hinge**
For trouble free operation, continuous alignment.
- **Concealed Throw Bolt**
Cam actuated concealed latching mechanism promotes flush appearance — prevents vandalism and theft.
- **Synthetic Enamel**
New acrylic finish for sensational resistance to corrosion and abrasion.
- **Porcelain Enamel**
An inert coating for resistance to organic solvents — superior hardness.
- **Theft Proof Screws**
Furnished for latches and coat hooks to prevent pilferage.
- **Through Bolted Hardware**
Eliminates sheet metal screw pull-out — provides greater strength.
- **Pre-drilled Whenever Possible**
Assures fast, efficient field erection — and per manufacturer's intent.
- **Sub-Floor Anchor Channels**
Furnished when specified for floor fill conditions when using type FT.
- **Ceiling Plaster Inset Sleeves**
Provided to assure rigid stud anchorage and prevent plaster cracking.

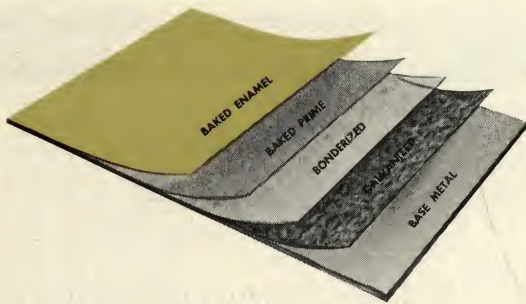


Muskego High School, Muskego, Wisconsin
John J. Flad, & Assoc. Architects
Oliver Construction Company, Contractors



Men's Residence Hall, University of Illinois, Urbana
Schaeffer & Wilson, Architects, Ernest L. Stouffer, Uni. Arch.

Synthetic Enamel



Once again, Ferrometal, who introduced Polyclutch enamel to the industry, has taken a long stride forward, and another first in providing a vastly superior finish on its product. Synthetic enamel finish based on entirely new and unique thermosetting acrylic resins. Hardness and toughness approaching that of porcelain enamel combined with flexibility assuring non-chipping characteristics plus extremely high resistance to acids and alkalis are some of the advantages of this sensational finish. This finish has been fully laboratory and field tested commercially in the past year. Although higher in cost than alkyd enamels, Ferrometal will offer this superior finish over galvanized bonderized steel as its standard Tufbond finish.

Test Results

The following laboratory tests indicate why Ferrometal believes its finishes to be the ultimate in performance and application to use in modern wash-room partitions. Samples used were bonderized steel with 1.5 mils thickness of Synthetic enamel baked on at 350 degrees F. for 30 minutes.

Hardness: a) Seward Rocker40 to 59
b) Pencil (no mar showing)...6 H to 8 H

Impact: (without break)30 inch lbs.

Abrasion Resistance:

a) Taber CS 10 wheel8.58 mg. loss per
1000 gr. wt.100 revolutions

Detergent Resistance:

2% ALL 1% Salt — 140 Degrees.....300 hours

Stain Resistance:

MustardExcellent
LipstickExcellent
Oil Soluble DyeExcellent

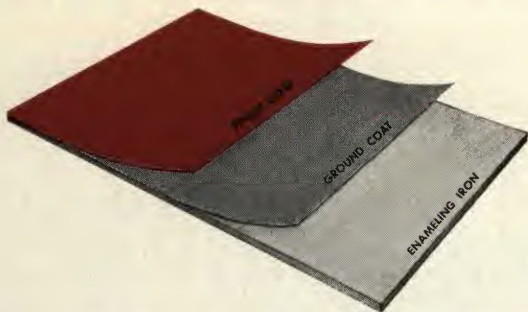
Humidity:

Saturated Humidity, 100 Deg. F.1200 hours

Alkyd Enamel

Time tested melamine modified alkyd enamels will continue to be used over cold rolled furniture and baked on prime coat for Ferrometals Tufkote finish.

PORCELUX - Porcelain Enamel



To satisfy the demand of its customers, Ferrometal now introduces its new Porcelux enamel finish. A vitreous porcelain coating over enameling iron, this finish is glass hard and is recommended where superior abrasion resistance warrants the increased expenditure for its selection on toilet partitions. Of particular advantage also is its resistance to com-

mercial solvents because of its inorganic nature. Porcelux finish as furnished by Ferrometal will meet the requirements of the Porcelain Enamel Institute for acid resisting architectural porcelain enamel and will also meet the following test results.

Test Results:

Hardness — Milled edge of coin.....No scratch

Abrasion Resistance012 mg. loss per 500
Taber abrader revolutions

Alkaline Resistance:

10% caustic soda6 hrs.
10% ammonium hydroxide6 hrs.

Acids (slight dulling permissible)

10% sulphuric6 hrs.
10% nitric6 hrs.
10% acetic6 hrs.

Harmony in Color

These color shades have been carefully selected to provide you with a wide variation of choice in pleasing blends and contrasts to properly suit your color scheme. All shades plus black and white are available in Porcelain and Synthetic finishes. Because of greater depth and gloss, porcelain finishes will contrast with Synthetic finish. Because of un-

controllable factors in baking and firing processes and privileges of reasonable color variations by responsible paint and frit manufacturers, we cannot guarantee exact color match. Two colors per installation may be chosen from this chart at no extra charge. Selections of colors other than shown can be made available at extra cost.



Wilshire Brown



Marine Blue



Shoal Green



Colorado Spruce



Light Nile Green



Nepal Ivory



Bermuda Cream



Silver Green



Coral



Feather Gray



Nassau Beige



Dark Stone Gray



Skyline Gray



Oxford Maroon



Spring Green



Algiers Blue



Cinnabar Red



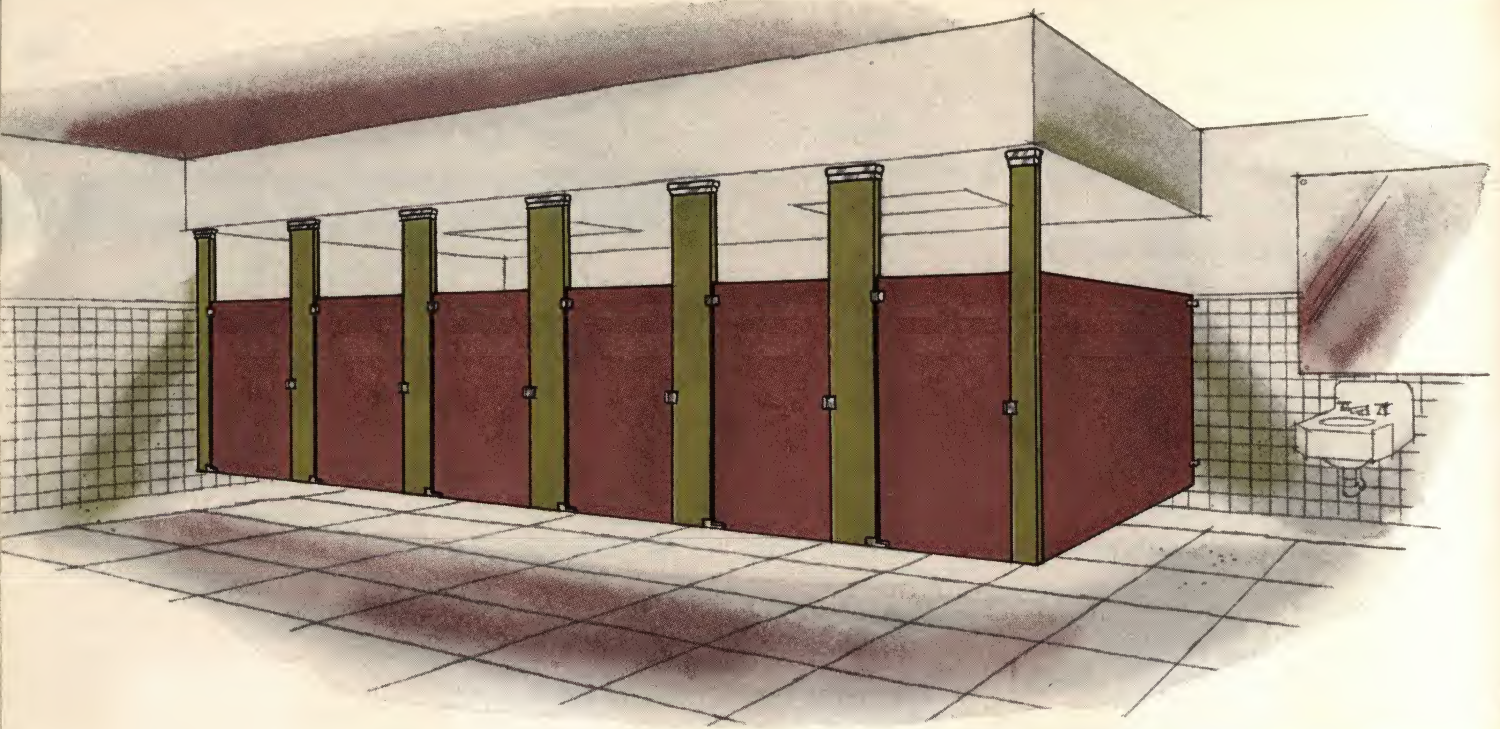
Glen Mist Green



Strato Blue



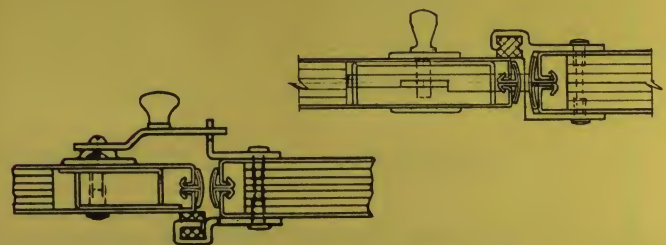
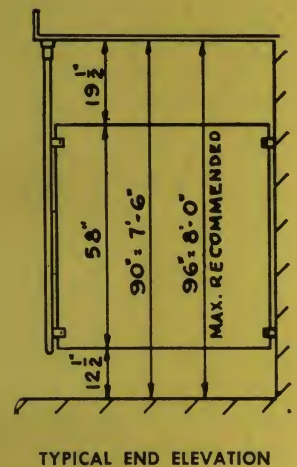
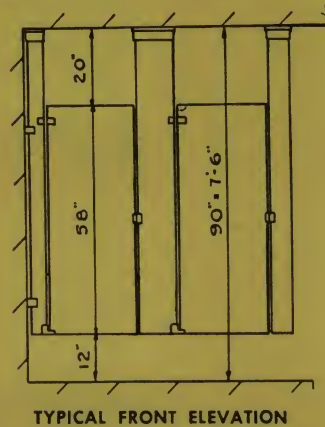
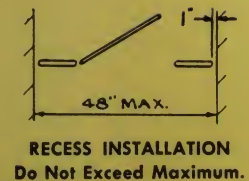
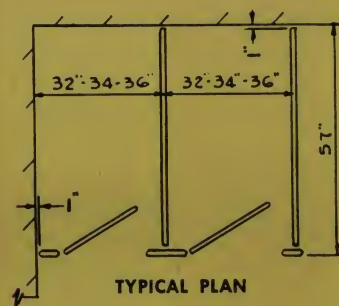
Temple Gray



Ceiling Hung Partitions Type CH

Designed to meet the highest contemporary standards *Ceiling Hung* partitions by FERROMETAL will help achieve beauty and economy of maintenance in today's ultra-modern washrooms. Ruggedly constructed—fabricated of galvanized bonderized furniture steel or porcelain enameling iron—finished with acrylic based Synthetic enamel (See page 4) or porcelain enamel—furnished with heavy gauge wrought 18-8 stainless steel hardware, this partition is engineered to withstand rigorous toilet room usage. Wide color ranges available in several finishes coupled with lustrous satin-polished stainless steel hardware, including the proven MATCHLESS gravity concealed hinge and inset top pivot, help impart a truly modern accent to attractive washroom appearance. Smooth rounded corners with edges locked and sealed with flush surfaces throughout, with partitions and pilasters supported clear of walls eliminate dirt accumulations. Suspended from drop ceiling with no floor obstructions, and used with wall hung fixtures throughout, floor cleansing is quickly, effectively and economically accomplished. Urinal screens where required are also wall hung with extra heavy stirrup brackets or continuous back plate wall anchor dependent upon size and specified preference. This type construction is ideal for buildings wherever top quality and maintenance savings of 25 to 30% (per building superintendent survey) are deciding factors in product selection.

DETAILS (Type CH) Plans and Elevations



INSWINGING DOORS AND PILASTER SECTION

CEILING HUNG PARTITIONS

architects' specifications

Toilet compartments shall be FERROMETAL type CH as manufactured by the Milwaukee Stamping Company, Chicago, Illinois.

TUFBOND (Galvanized Bonderized Steel, Synthetic Enamel Finish)

DIVIDING PARTITIONS: Dividing partitions shall be not less than 1" thick, made of two sheets of 20 gauge steel stretcher leveled zinc-coated and bonderized. Sound deadening core shall be cemented with rubber base adhesive and assembled under pressure. Edges of sheets shall be interlocked along entire outside edge sealing same into one continuous smooth surface. Corner joints to be mitered, brazed and ground smooth. **PILASTERS:** To be 1 1/4" thick, made of 16 gauge steel sheets zinc-coated and bonderized assembled with sound deadening core, otherwise similar to dividing panels. Pilaster to have tapped reinforcements for machine screw application of stirrup bracket connection. Pilasters to have adjustable ceiling anchor with leveling device, plaster sleeve spacers and locking nuts to firmly secure pilaster.

DOORS: All doors shall be 22 gauge steel otherwise same construction as divider partitions. Internal welded box reinforcements shall be provided for hinges and latches. Hinge body to be concealed in door. Bottom edge of door to align with front pilaster when door is in closed position.

FINISH: All surfaces to be thoroughly degreased. Synthetic acrylic based thermosetting enamel to be sprayed on at a minimum thickness of 1 1/2 mils and baked at 300 degrees Fahrenheit for thirty minutes.

HARDWARE AND FITTINGS: All doors to be provided with concealed Matchless gravity hinge adjustable from outside to provide universal rest location. Furnish inset top pivot assembly, concealed turn bolt or throw latch, clamp strike and keeper, hinge brackets, coat hook and

bumper. All hardware and cap shoes to be wrought 18-8 stainless steel, exposed parts to be satin polished. All hardware to be thru bolted except coat hook to be applied with theft proof screws. Enameled wrought steel stirrup brackets to be provided for wall and pilaster connections, anodized extruded aluminum available as optional extra.

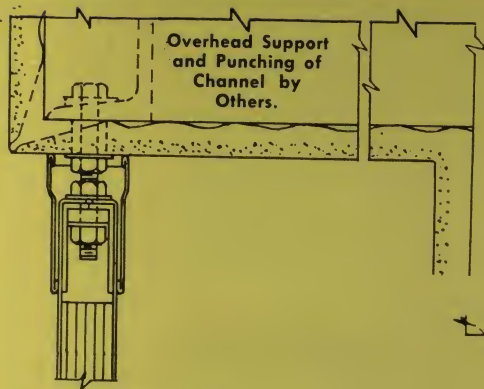
PORCELUX (Enameling Iron, Porcelain Enamel Finish)

DIVIDING PARTITIONS AND DOORS: Shall be not less than one inch thick made of 2 sheets of 18 gauge enameling iron pan formed and assembled to sound deadening core. Edges of facing sheets shall be welded to provide rigid slab construction and concealed along entire outside edge with polished stainless steel locking moulding mitered, welded, ground smooth and polished at corner joints. Internal reinforcements shall be provided for all door hardware. Hinge body to be concealed within door. Bottom edge of door to align with front pilaster when in closed position.

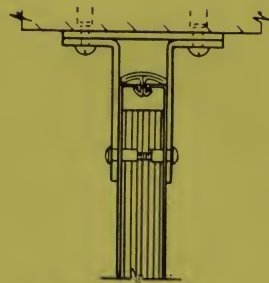
PILASTERS: To be 1 1/4" thick otherwise same as dividing partitions and doors. Pilasters to have tapped reinforcement for machine screw application of stirrup bracket connections. Pilasters to have adjustable ceiling anchor with leveling device, plaster sleeve spacers, and locking nuts to firmly secure pilaster.

FINISH: All facing sheets to be coated on both sides with one ground coat of porcelain enamel. Exposed faces to have finish coat of porcelain enamel in manufacturers standard color selections. Coatings are to be fired separately. Final finish to meet the standards of the architectural porcelain enamel as established by Porcelain Enamel Institute.

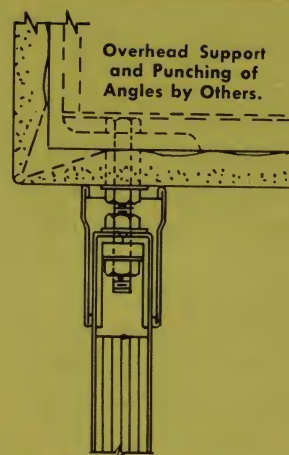
HARDWARE AND FITTINGS: Same as under TUFBOND except stirrup brackets anodized extruded aluminum.



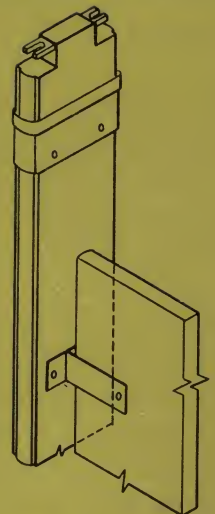
Overhead Support and Anchorage Detail



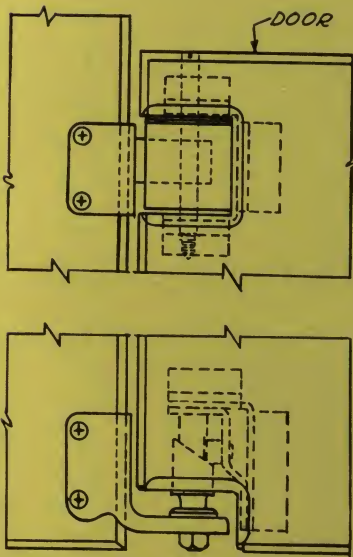
SECTION DIVIDER AND WALL CONNECTION



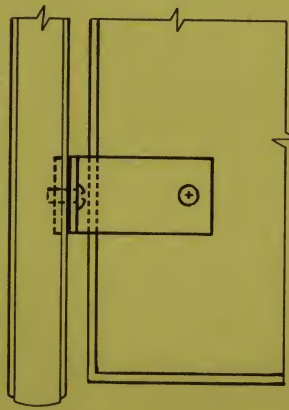
ALTERNATE OVERHEAD SUPPORT AND ANCHORAGE DETAIL



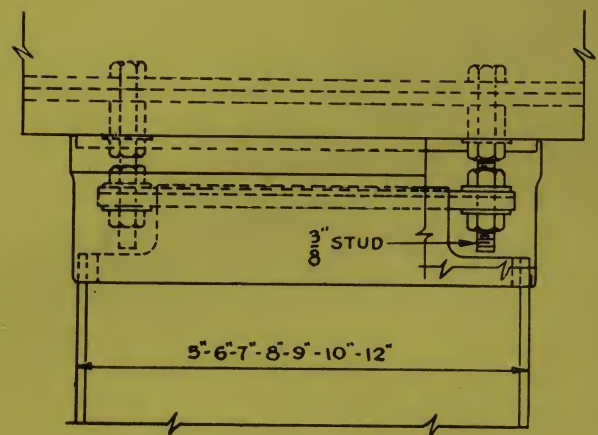
ASSEMBLY OF DIVIDER AND PILASTER



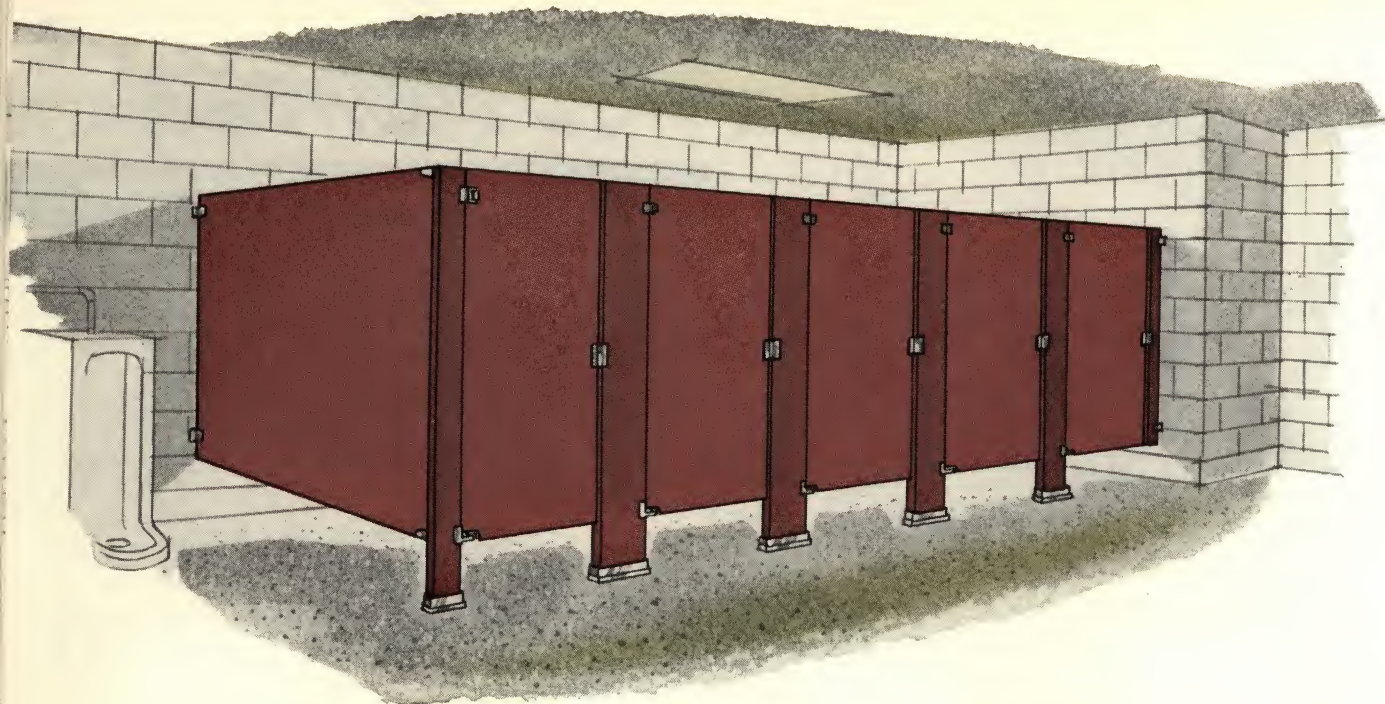
ELEVATION OF DOOR AND PILASTER
Illustrating Concealed Gravity Hinge Application.



DETAIL OF PILASTER AND DIVIDER CONNECTION



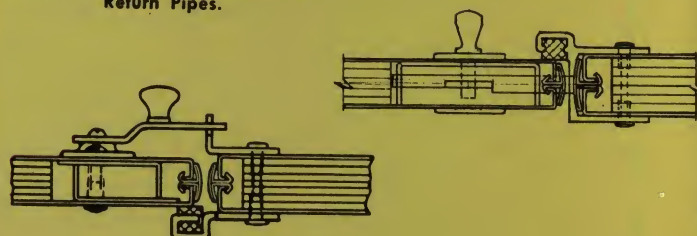
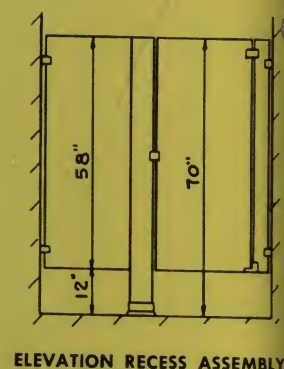
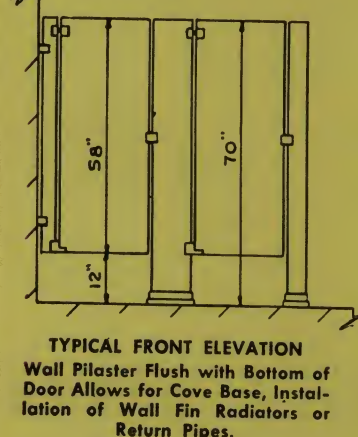
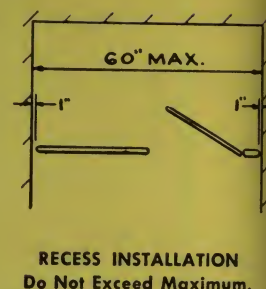
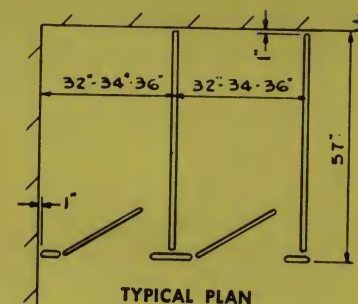
ELEVATION DETAIL OF CEILING ANCHORAGE



Flush Top Partitions Type FT

For those fine buildings where the initial cost of overhead support is not desired, Flush Top partitions by FERROMETAL will provide the same modern addition to washroom beauty as is true with Ceiling Hung (type CH). Fabricated in galvanized bonderized steel with Synthetic Enamel finish or enameling iron with porcelain enamel finish, made similarly in all respects to type CH with the exception of floor anchored instead of ceiling supported pilaster, this design has the same sturdy construction as Ceiling Hung with greater application. Wide color ranges are now available in two different types of finishes, (e.g.) the new sensationally uric acid, alkaline and humidity resistant Synthetic enamel over zinc coated steel or high hard gloss porcelain enamel — and for the low cost budget, alkyd enamel over cold rolled steel (not recommended for top performance). Lustrous satin-polished 18-8 stainless steel hardware including the proven MATCHLESS concealed gravity hinge help complement washroom beauty. Doors and pilasters are in the same horizontal plane eliminating headrail and adding to the attractiveness of the installation. Smooth rounded corners with edges locked and sealed, flush surfaces throughout with partitions supported clear of walls allow for easy cleaning and maintenance of sanitary conditions. Recommended for public buildings, offices, terminals, schools, etc. See accompanying details for recommended use and installation.

DETAILS (Type FT) Plans and Elevations



FLUSH TOP PARTITIONS

architects' specifications

Toilet compartments shall be FERROMETAL type FT as manufactured by the Milwaukee Stamping Company, Chicago, Illinois.

TUFBOND (Galvanized Bonderized Steel, Synthetic Enamel Finish)

DIVIDING PARTITIONS: Dividing partitions shall be not less than 1" thick, made of two sheets of 20 gauge steel stretcher leveled zinc-coated and bonderized. Sound deadening core shall be cemented with rubber base adhesive and assembled under pressure. Edges of sheets shall be interlocked along entire outside edge sealing same into one continuous smooth surface. Corner joints to be mitered, brazed and ground smooth.

PILASTERS: To be 1/4" thick, made of 16 gauge steel sheets zinc-coated and bonderized assembled with sound deadening core, otherwise similar to dividing panels. Pilaster to have tapped reinforcements for machine screw application of stirrup bracket connection. Pilasters to have adjustable floor anchor with leveling device, studs and locking nuts to firmly secure pilaster.

DOORS: All doors shall be 22 gauge steel otherwise same construction as divider partitions. Internal welded box reinforcements shall be provided for hinges and latches. Hinge body to be concealed in door. Top edge of door to align with front pilaster when door is in closed position.

FINISH: All surfaces to be thoroughly degreased. Synthetic acrylic based thermosetting enamel to be sprayed on at a minimum thickness of 1/2 mils and baked at 300 degrees Fahrenheit for thirty minutes.

HARDWARE AND FITTINGS: All doors to be provided with concealed Matchless gravity hinge adjustable from outside to provide universal rest location. Furnish inset top pivot assembly, concealed turn bolt or throw latch, clamp strike and keeper, hinge brackets, coat hook and

bumper. All hardware and floor shoes to be wrought 18-8 stainless steel, exposed parts to be satin polished. All hardware to be thru bolted except coat hook to be applied with theft proof screws. Enameled wrought steel stirrup brackets to be provided for wall and pilaster connections, anodized extruded aluminum available as optional extra.

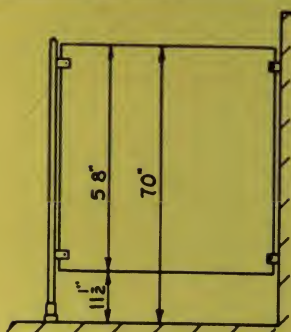
PORCELUX (Enameling Iron, Porcelain Enamel Finish)

DIVIDING PARTITIONS AND DOORS: Shall be not less than one inch thick made of 2 sheets of 18 gauge enameling iron pan formed and assembled to sound deadening core. Edges of facing sheets shall be welded to provide rigid slab construction and concealed along entire outside edge with polished stainless steel locking moulding mitered, welded, ground smooth and polished at corner joints. Internal reinforcements shall be provided for all door hardware. Hinge body to be concealed within door. Top edge of door to align with front pilaster when in closed position.

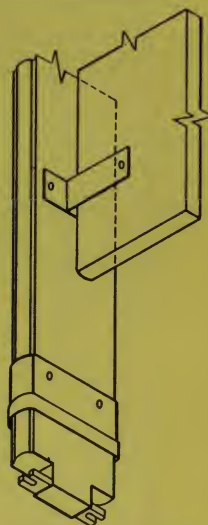
PILASTERS: To be 1/4" thick otherwise same as dividing partitions and doors. Pilasters to have tapped reinforcement for machine screw application of stirrup bracket connections. Pilasters to have adjustable floor anchor with leveling device, studs, and locking nuts to firmly secure pilaster.

FINISH: All facing sheets to be coated on both sides with one ground coat of porcelain enamel. Exposed faces to have finish coat of porcelain enamel in manufacturers standard color selections. Coatings are to be fired separately. Final finish to meet the standards of the architectural porcelain enamel as established by Porcelain Enamel Institute.

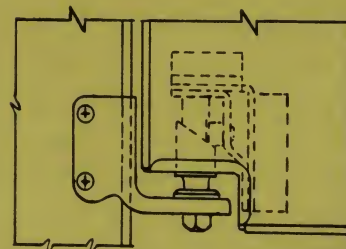
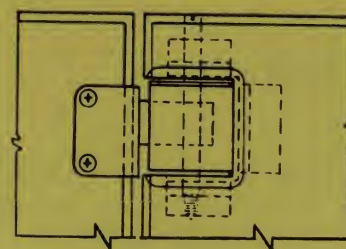
HARDWARE AND FITTINGS: Same as under TUFBOND except stirrup brackets anodized extruded aluminum.



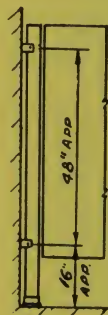
TYPICAL END ELEVATION



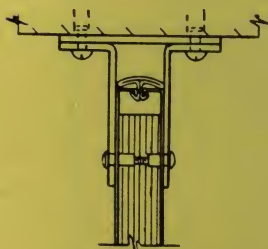
ASSEMBLY OF DIVIDER AND PILASTER



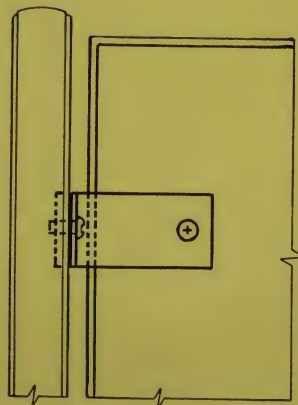
ELEVATION OF DOOR AND PILASTER
Illustrating Concealed Gravity
Hinge Application.



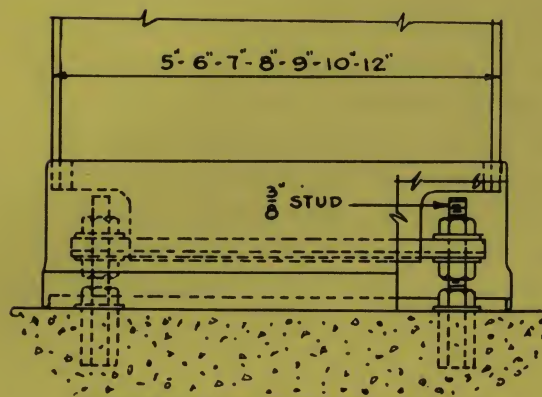
ALTERNATE WALL
PILASTER CONNECTION



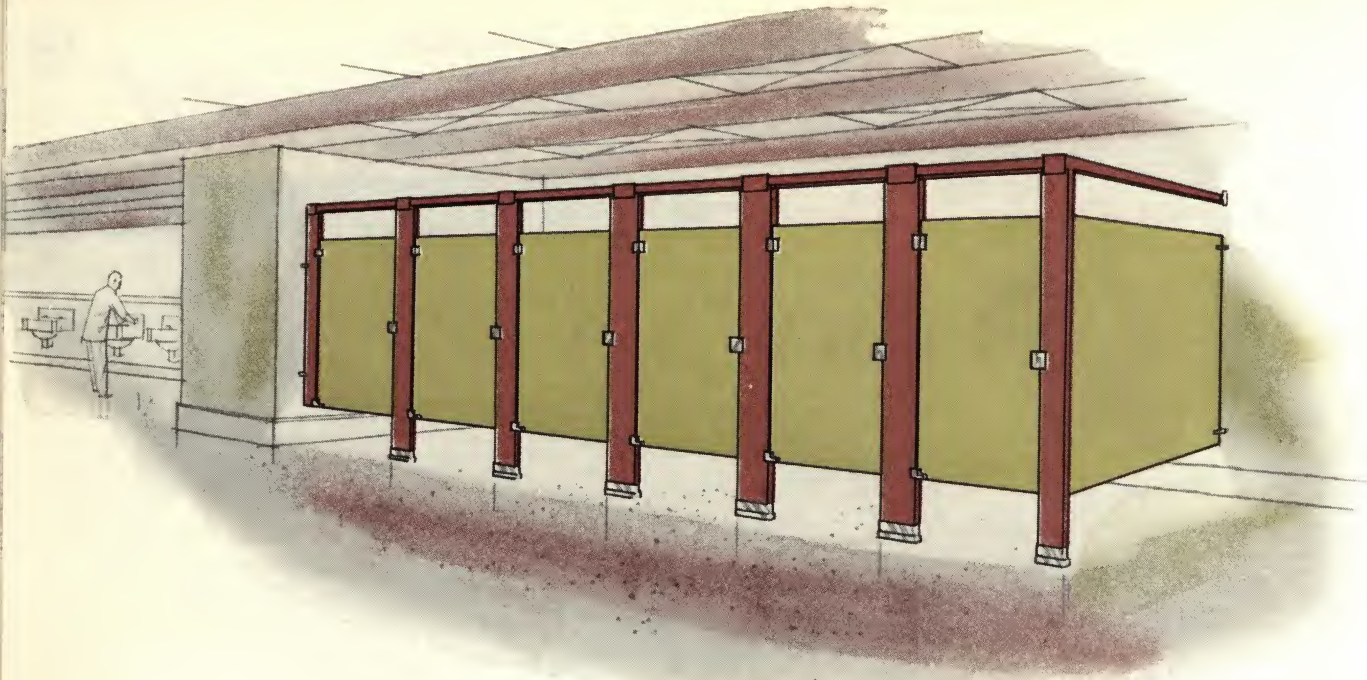
SECTION DIVIDER AND
WALL CONNECTION



DETAIL OF PILASTER AND
DIVIDER CONNECTION



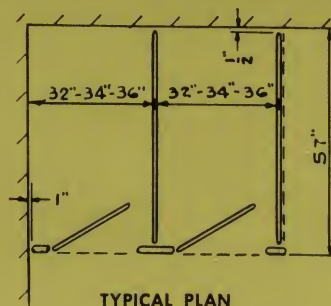
ELEVATION DETAIL OF FLOOR ANCHORAGE
Expansion Shields Must Be Set 2" Into Solid Concrete not
in Fill. Specify Depth of Fill When it Occurs.



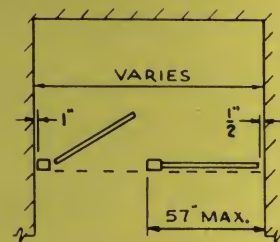
Stile To Headrail Partitions Type SHR Flush

For wider product application than possible in Types CH & FT, and medium price range is desirable, *Stile to Headrail Flush* (type SHR Flush) partitions by FERROMETAL will render a rigid installation harmonizing attractively with modern washroom interiors. Overhead rail allows for solidly braced installations where pilaster is in same vertical plane as divider. This construction is particularly recommended for built up showers, dressing rooms, entry screens and long runs as in recesses exceeding 60 inches. While overhead bracing allows for certain economy of construction, generally, the same attractive appearance is kept with smooth rounded edges and flush surfaces throughout. Finishes available include — Synthetic, a highly acid and alkaline resistant acrylic based enamel over galvanized bonderized steel — Porcelain enamel, an extremely abrasion resistant coating of long life and beauty — and alkyd enamel, a serviceable finish over cold rolled furniture steel. This type construction is also furnished with satin-polished stainless steel hardware including the MATCHLESS concealed gravity hinge and top inset pivot. Recommended for use anywhere; this type serves especially well where the most severe performance is required.

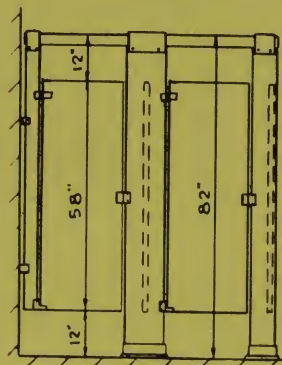
DETAILS (Type SHR Flush) Plans • Elevations • Sections



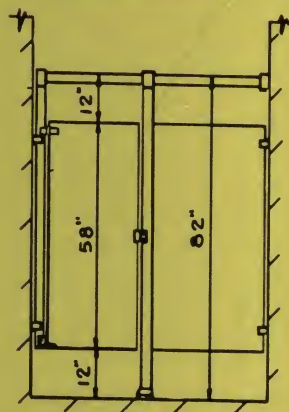
TYPICAL PLAN



RECESS ASSEMBLY

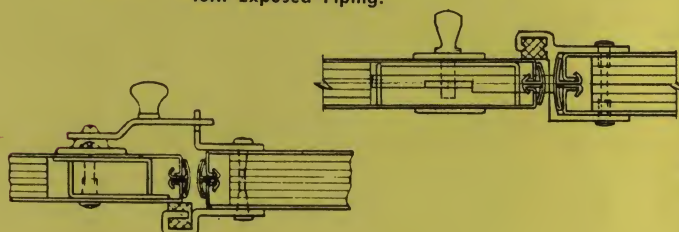


TYPICAL ELEVATION



ELEVATION RECESS ASSEMBLY

Wall Pilaster Flush With Bottom of Door. Allows for Cove Base, Installation of Wall Fin Radiators or Return Exposed Piping.



INSWINGING DOORS & PILASTER SECTION

STILE TO HEADRAIL Flush

architects' specifications

Toilet compartments shall be FERROMETAL type SHR Flush as Manufactured by the Milwaukee Stamping Company, Chicago, Illinois.

TUF BOND (Galvanized Bonderized Steel) or TUFKOTE (Cold Rolled Steel)

DIVIDING PARTITIONS: Dividing partitions shall be not less than 1" thick, made of two sheets of 20 gauge stretcher leveled cold rolled (or zinc coated bonderized) steel assembled under pressure to sound deadening core with rubber based adhesive. Edges of sheets shall be interlocked along entire outside edge with corner joints to be mitred, brazed and ground smooth.

PILASTERS: To be 1 1/4" thick made of 20 gauge steel otherwise same as dividing partitions. 2" pilasters to be 16 gauge tubing without cores. Pilasters to have adjustable floor anchors to firmly secure pilaster.

HEADRAIL: To be 1 1/4" x 7/8" 16 gauge tubing to fasten to top of pilaster with wrought steel channel secured at top, front and back with screws.

DOORS: All doors to be 22 gauge steel otherwise same construction as dividing partitions. Internal welded box reinforcements shall be provided for hinges and latches. Hinge body to be concealed in door.

FINISH: All surfaces to be thoroughly degreased. (TUF BOND only) acrylic based thermosetting enamel to be sprayed on at a minimum thickness of 1 1/2 mils and baked at 300° for 30 minutes. (TUFKOTE only) primer and alkyd synthetic enamel to be applied in successive coats and baked on separately.

HARDWARE AND FITTINGS: All doors to be provided with concealed Matchless gravity hinge adjustable from outside to provide universal rest location. Furnish inset top pivot assembly, concealed turn bolt or

throw-latch, keeper and bumper, hinge brackets, coat hook and bumper. All hardware and floor shoes to be wrought 18-8 stainless steel, exposed parts to be satin polished. All hardware to be thru bolted except coat hook to be applied with theft proof screws. Enameled wrought steel brackets to be provided for wall and pilaster connections, anodized extruded aluminum available as optional extra.

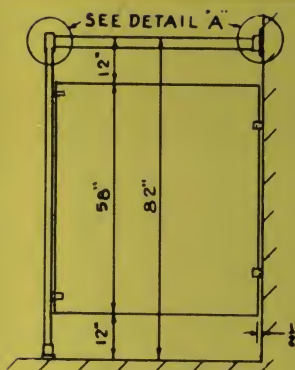
PORCELUX (Enameling Iron, Porcelain Enamel Finish)

DIVIDING PARTITIONS AND DOORS: Shall not be less than 1" thick, made of 2 sheets of 18 gauge enameling iron pan formed and assembled to sound deadening core. Edges of facing sheets shall be welded to provide rigid slab construction and concealed along entire outside edge with polished stainless steel locking moulding, mitred, welded, and polished smooth at corner joints. Internal reinforcements shall be provided for all door hardware. Hinge body to be concealed within door.

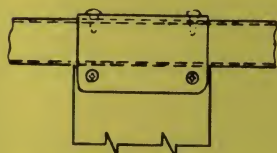
PILASTERS: To be 1 1/4" thick otherwise same as dividing partitions and doors. Pilasters to have tapped reinforcements for machine screw application of stirrup bracket connections. Pilasters to have adjustable floor anchor with leveling device, anchor studs and locking nuts to firmly secure pilasters.

FINISH: All facing sheets to be coated on both sides with one ground coat of porcelain enamel. Exposed faces to have finish coat of porcelain enamel in manufacturers standard color selections. Coatings are to be fired separately. Final finish to meet the standards of architectural porcelain enamel as established by the Porcelain Enamel Institute.

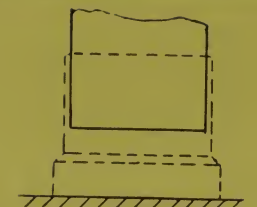
HARDWARE AND FITTINGS: Same as under TUF BOND or TUFKOTE except stirrup brackets anodized extruded aluminum.



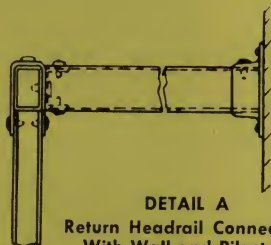
TYPICAL END ELEVATION
Headrail Over End Panel Only.



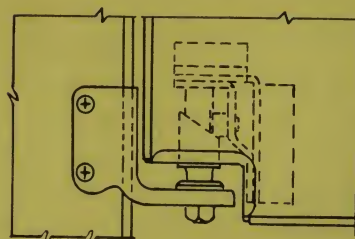
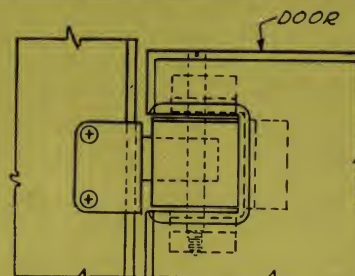
DETAIL OF OVERHEAD RAIL
AND PILASTER CONNECTION



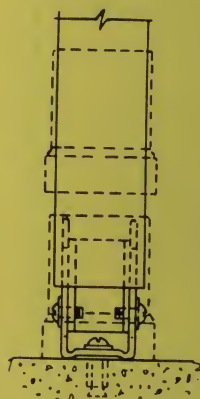
ALTERNATE WALL PILASTER
CONNECTION



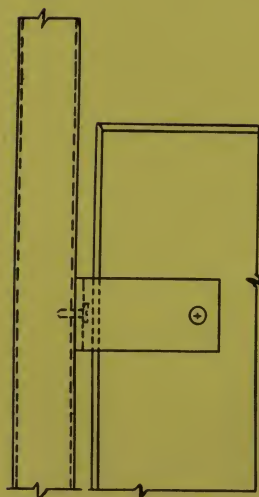
DETAIL A
Return Headrail Connection
With Wall and Pilaster.



ELEVATION OF DOOR AND PILASTER
Illustrating Concealed Gravity
Hinge Application.



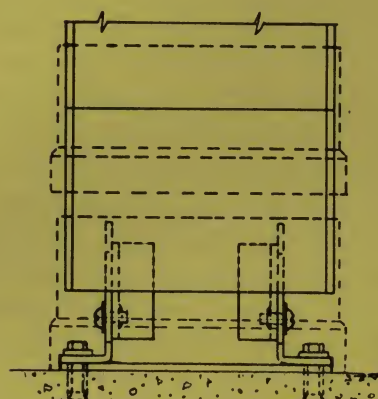
DETAIL OF FLOOR
ANCHORAGE FOR
2" PILASTER



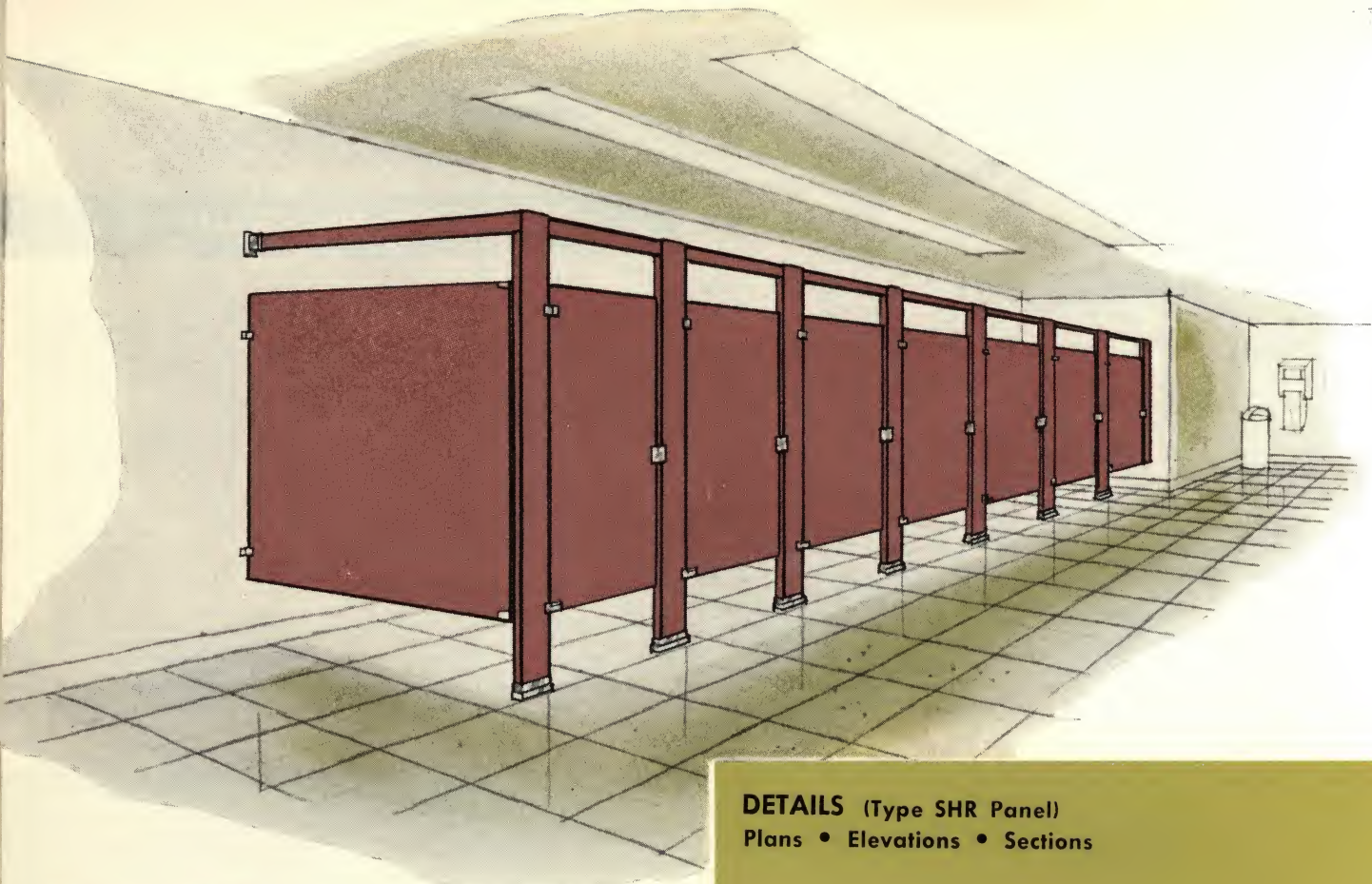
DETAIL OF PILASTER AND
DIVIDER CONNECTION



ASSEMBLY OF PILASTER
Headrail and Divider.



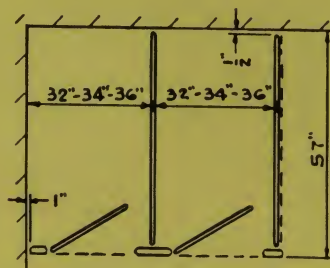
DETAIL OF FLOOR ANCHORAGE
FOR PILASTERS 3" TO 12" WIDE.



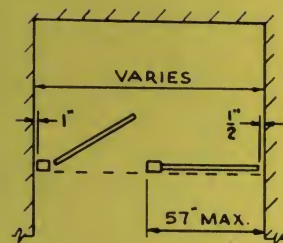
Econometal Stile To Headrail Partitions

For those buildings where extreme economy requires the lowest cost on all materials, Milwaukee Stamping Company now introduces a new economy flush type partition to furnish the answer on toilet partition requirements. The purchase of new forming equipment permits fabricating methods and designs which achieve true economy with relatively small loss of quality compared to the high standards of the Ferrometal designs and constructions. This new partition is priced lower than single sheet panel types of construction permitting elimination of that product type and its objectionable features such as noisy sound transmission and the accumulation of dirt on moulding reveals. In appearance much of the SHR flush construction is retained. Sound deadened core and solid slab assembly provide excellent rigidity. Hardware including the MATCHLESS completely gravity operated concealed hinge is of heavy gauge wrought 18-8 stainless steel satin polished finish. This type construction is available in Tufbond, galvanized bonderized steel with synthetic enamel finish or Tufkote, cold rolled furniture steel with alkyd enamel. Porcelain enamel finish is *NOT* offered in this type in consideration of the intent of extreme economy in design.

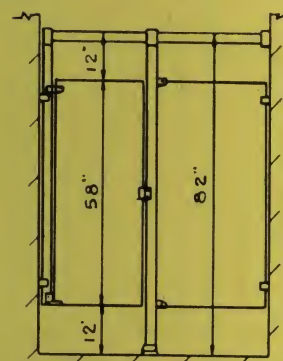
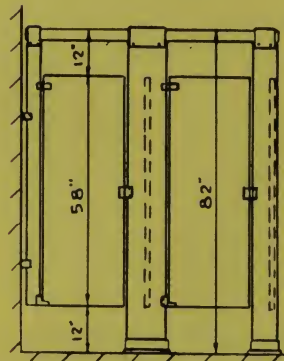
DETAILS (Type SHR Panel) Plans • Elevations • Sections



TYPICAL PLAN

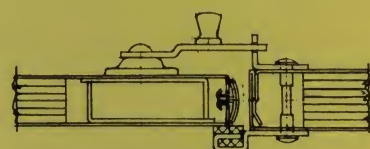


RECESS ASSEMBLY



ELEVATION RECESS ASSEMBLY

Wall Pilaster Flush With Bottom of Door. Allows for Cove Base, Installation of Wall Fin Radiators or Return Exposed Piping.



INSWINGING DOORS & PILASTER SECTION

STILE TO HEADRAIL PARTITIONS

architects' specifications

GENERAL: Toilet compartments shall be ECONOMETAL as manufactured by the Milwaukee Stamping Company, Chicago, Illinois.

DIVIDING PARTITIONS: Dividing partitions shall be not less than 1" thick, made of two sheets of stretcher levelled cold rolled (or zinc coated bonderized) steel assembled under pressure to sound deadened core with rubber base adhesive. Edges of panel shall be formed to interlock with each other. Corner joints to be welded and ground smooth.

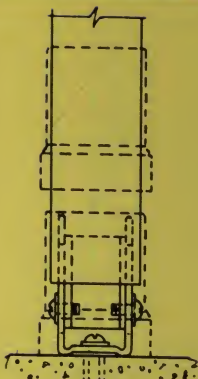
PILASTERS: To be 1 1/4" thick made of two sheets of cold rolled (or galvanized bonderized) stretcher levelled furniture steel assembled to sound deadening core under pressure. Edge of panel shall be formed to interlock with each other. Corner joints to be welded.

HEADRAIL: To be 1 x 1 1/2", 18 gauge tubing inserted into and attached to pilaster. Headrail to be continuous across the fronts of compartments and over end panels.

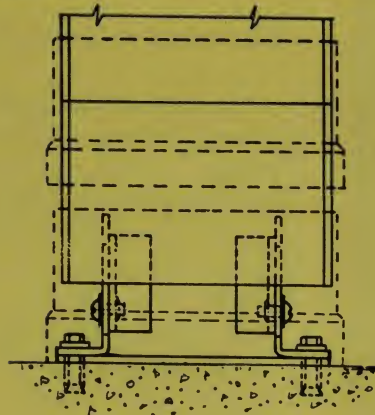
DOORS: All doors shall be 22 gauge steel, one inch thick flush construction otherwise similar to pilaster. Internal welded box reinforcements shall be provided for all door hardware. Inset top pivot to be provided for and hinge body to be concealed in door.

FINISH: All surfaces to be thoroughly degreased. Primer and urea melamine alkyd enamel to be applied in successive coats and baked on separately at 300° Fahrenheit.

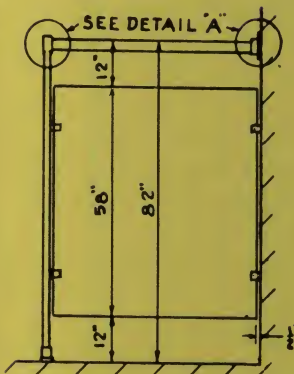
HARDWARE AND FITTINGS: All doors to be provided with concealed Matchless gravity hinge adjustable from outside to provide universal rest location. Furnish inset top pivot assembly, throw latch, keeper and bumper, hinge brackets, coat hook and bumper. All hardware and floor shoes to be wrought 18-8 stainless steel, exposed parts to be satin polished. Latches and coat hooks to be applied with theft proof screws. Enameled wrought steel stirrup brackets to be provided for wall and pilaster connections.



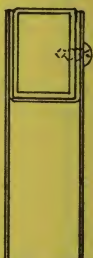
DETAIL OF FLOOR ANCHORAGE FOR 2" PILASTER



DETAIL OF FLOOR ANCHORAGE FOR PILASTERS 3" TO 12" WIDE.

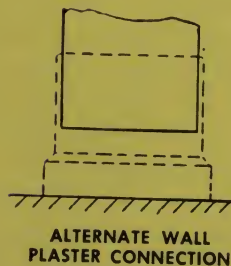


TYPICAL END ELEVATION Headrail Over End Panel Only.

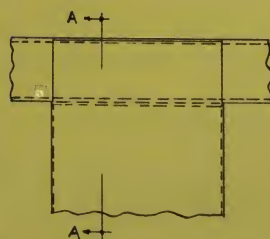


DETAIL OF OVERHEAD RAIL AND PILASTER CONNECTION

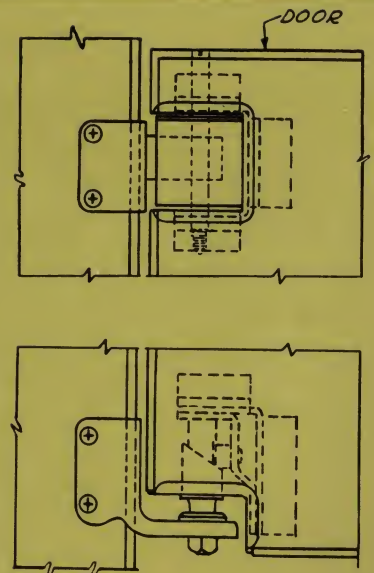
Sec. AA



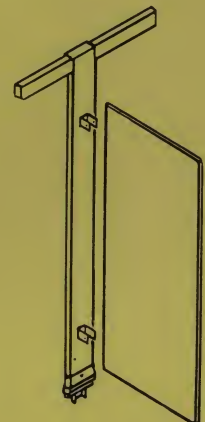
ALTERNATE WALL PLASTER CONNECTION



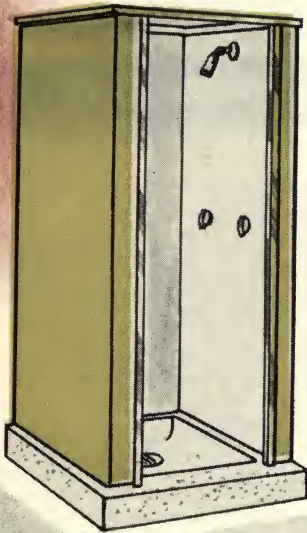
DETAIL OF PILASTER AND DIVIDER CONNECTION



ELEVATION OF DOOR AND PILASTER Illustrating Concealed Gravity Hinge Application.



ASSEMBLY OF PILASTER HEADRAIL AND DIVIDER



architects' specifications

All shower cabinets shall be Ferrolux 36 x 36 x 82 as manufactured by the Ferrometal Division, Milwaukee Stamping Company, Milwaukee, Wisconsin.

WALLS: Walls shall be 1" thick, fabricated of 20 gauge galvanized, bonderized steel, cemented to phenolic impregnated sound-deadening core and locked with inside locking tubing.

RECEPTORS: Receptors shall be black-and-white precast Terrazzo with cast in integral drain for caulking to 2" iron pipe and removable chrome plated strainer.

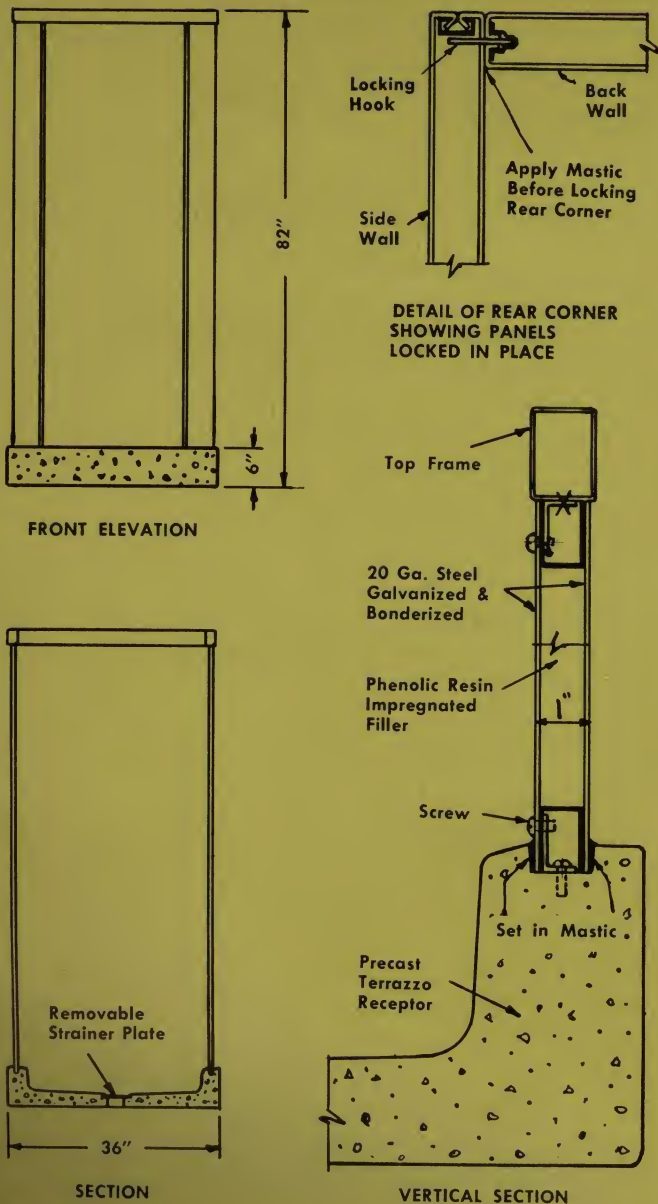
FINISH: To be high acid and alkali resistant Duracron enamel in color as selected. Jamb trim to be polished stainless steel.

ACCESSORIES: Cabinet to be furnished with chrome plated curtain rod and soap dish and drilled for valves and shower head by others.

NOTE: If glass shower door desired, write Home Office for details and types recommended and available.

Ferrolux Shower Cabinet

An exceptionally rugged, self-contained shower unit with high, inherent structural strength, the Ferrolux shower cabinet yet possesses an extremely attractive and modern appearance. Insulated and sound-deadened sidewalls eliminate objectionable drumming so apparent in single sheet type of cabinets. Walls are fabricated of galvanized bonderized steel facing sheets cemented to a phenolic resin impregnated core. Back corner joints are locked rigidly by six hooks in tension per side; top frame of 16 gauge steel tubing secured to sidewalls assures a completely integral unit. Receptor is 6" high and 3" thick at wall connection and made of reinforced Terrazzo concrete in black and white. Inside face is acid etched for slip proofing while outside faces and threshold are polished; cast in drain for caulking to 2" pipe is provided with removable chrome plated strainer. Assembly and anchorage of sidewalls to receptor by means of rabbetted construction, indicated in detail opposite, assures a completely leak-proof joint. Sidewalls and top frame are finished with sensationally rust, alkali, and acid resisting Duracron enamel finish in colors as selected. Jamb trim is polished stainless steel. Furnished as standard with curtain rod, this unit can be provided with a glass shower door at optional extra. For complete information write Home Office or contact our local representative. Shipped knockdown and readily assembled in a completely leak-proof manner, unit is conveniently adopted to battery assembly in conjunction with matching Ferrometal SHR dressing stalls.



PORCELAIN ENAMEL DETAILS

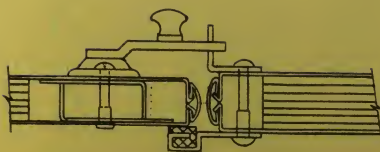
FERROMETAL PORCELUX Vitreous Porcelain Enamel Finish

For the ultimate washroom appearance and life specify Ferrometal "Porcelux" vitreous porcelain enamel finish. The advantages are many — permanent fresh colors, glass hard abrasion resistance coupled with damp cloth cleansing eliminates damage from lipstick and pencil vandalism, acid resistance overcomes uric acid corrosion, completely sanitary surfaces are bacteria free and impervious to odor absorption.

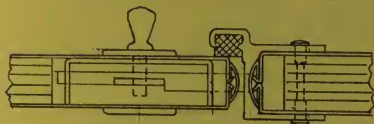
The construction details shown below illustrate the superiority of Ferrometal design application of this

superb finish. Solid slab construction is achieved by use of heavier gauge sheets than used on synthetic enamel types with complete periphery of panel welded on 12" centers. Continuous hinge alignment is secured by fixture positioned welded box channel reinforcements. Homogenous trim finish appearance is attained by matching materials and finishes of satin polished stainless steel cover mouldings, headrails and Ferrometal's stainless steel hardware.

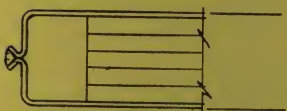
Other high performing materials such as vinyl coated steel and satin polished stainless steel are also made available by Ferrometal. Write for specification detail or consult our local representative.



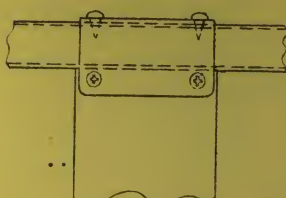
THROW LATCH



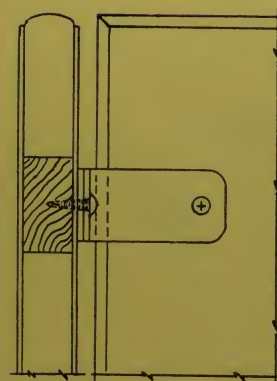
CONCEALED TURN BOLT



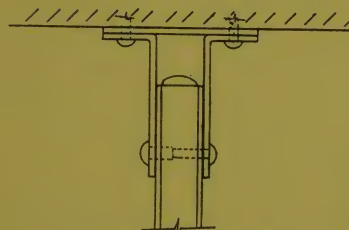
SECTION SHOWING
EDGE FORMING AND WELDS



PILASTER TOP RAIL
CONNECTION

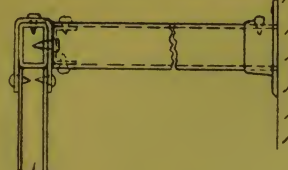


PANEL TO PILASTER
CONNECTION (FT)

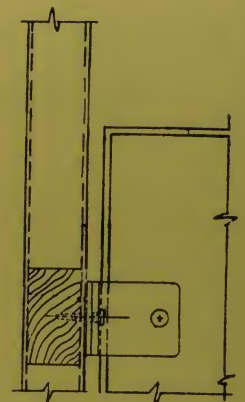


TYPICAL PANEL TO
WALL CONNECTION

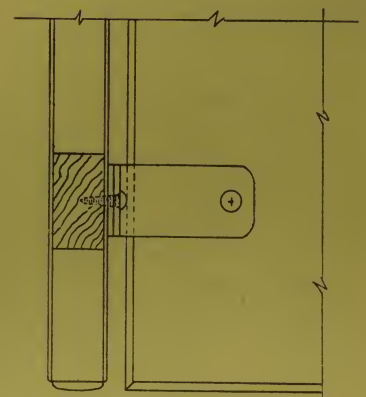
STAINLESS STEEL HEADRAIL



DETAIL SHOWING HEAD RAIL
TO WALL

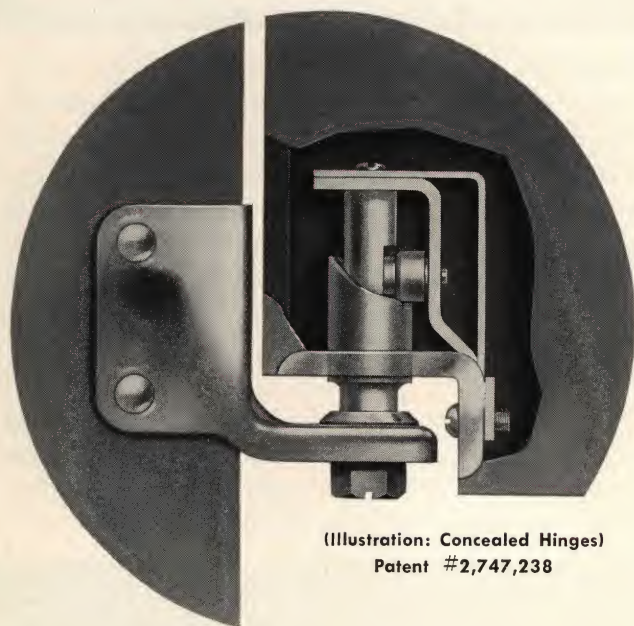


PANEL TO PILASTER
CONNECTION (SHR)



PANEL TO PILASTER
CONNECTION (CH)

Hardware and Accessories



(Illustration: Concealed Hinges)
Patent #2,747,238

NOTHING can equal **Stainless Steel** where **HARDWARE** gets **HARD WEAR**

No other material can match stainless steel in its combination of desirable physical properties. Extremely high tensile strength, hard outside, tough inside, solid and strong clear through, stainless steel is almost indestructible, not easily scratched, gouged or otherwise marred. Lustrous satin polished surfaces are non-tarnishing, non-chipping, permanent and easily maintained.

Ferrometal employs the use of stainless steel in all its hinging and latching mechanisms and was first and foremost in adapting this excellent material to lavatory hardware design. Heavy gauge wrought parts, smooth clean lines and lustrous polished finishes testify to over 60 years of experience in design, development, fabrication, assembly and finishing of builders and lavatory hardware for the industry.

Physical Features

Compare these advantages:

Physical features

tensile strength Psi — 125,000
modulus of elasticity
lbs./in² x 10⁶ - 29.0
hardness, Rockwell — B90 max.
impact valves, Izod,
ft.-lb. - 89 min.

Corrosion resistance

uric acid, conc.	unaffected
soaps	unaffected
ammonium hydroxide	unaffected
sodium hydroxide	unaffected

Concealed

Matchless Gravity Hinge

Designed and developed by Ferrometal to satisfy a demand for superior hardware to withstand the abuse and rough usage experienced in washrooms, the concealed Matchless gravity hinge provides the ultimate in its assurance of continuous smooth operation and resistance to wear and destruction. Coupled with an inset top pivot with 3 point support, heavy gauge reinforcements, welded integrally with facing sheets of door, the matchless concealed gravity hinge assures many years of continuous use. Graphite impregnated bronze bushings and roller bearing ball race guarantee ease of operation. Field and laboratory tested over a number of years of experience.

Advantages

Superior strength

Attached to inside of door face — not to corner edge, structurally becoming part of door itself.

Easy to attach

Hinge is factory assembled into door, so that door needs only to be placed into bracket.

Trouble free operation

Universal gravity type hinge permits easy adjustment from outside of door in place.

Continuous alignment

Hinge and rigid steel door, built into one integral unit will prevent binding, bending or warping.

No loss of hinges

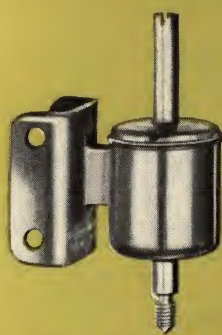
Factory installation of hinges in doors assures no misplacement of hinges or improper installations of same.

Easier maintenance

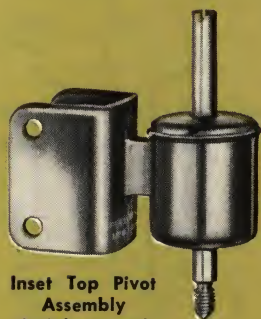
Cleaning is faster, more thorough—hinge is protected against vandalism and moisture.



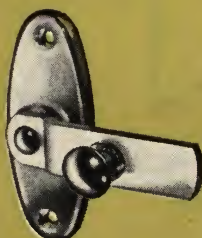
HARDWARE



Inset Top Pivot
Assembly
Stainless Steel
SHR-2" Pilaster Only



Inset Top Pivot
Assembly
Stainless steel
All types



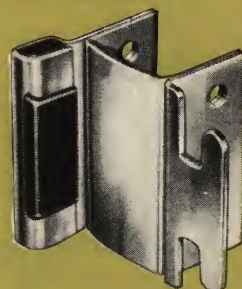
Throw Latch
Stainless steel
All types



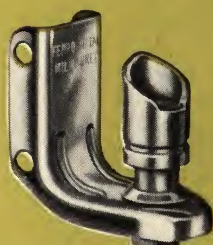
Keeper
Stainless steel
SHR-2" Pilaster only



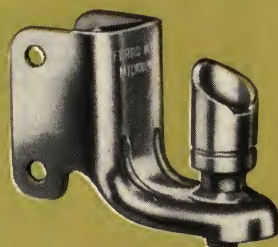
Bumper
Stainless steel
SHR-2" Pilaster only



Strike & Keeper
Stainless steel
Type FT & CH



Lower Hinge Bracket Assembly
Stainless steel
SHR-2" Pilaster only



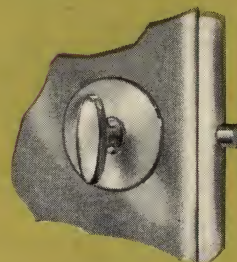
Lower Hinge Bracket Assembly
Stainless steel
All types



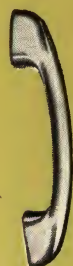
Keeper
Stainless steel
Type SHR



Bumper
Stainless steel
Type SHR



Concealed Turn Bolt
All Ferrometal Types



Door Pull
Outswing & Entry
Door



Headrail Channel
Type SHR



Stirrup Bracket and
Pilaster Bracket
Type FT & CH



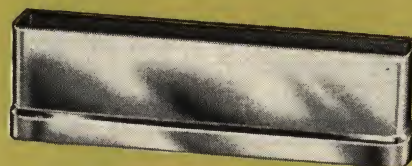
End Bracket



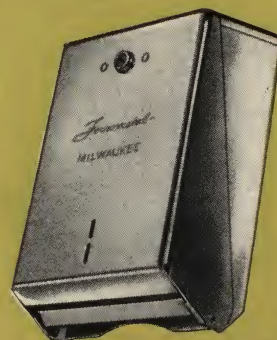
Pilaster Bracket
Type SHR only



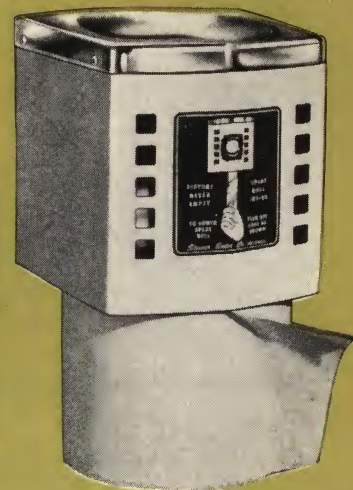
2-Prong Coat Hook
Outswing Door



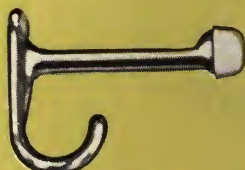
Pilaster Floor Shoe or Cap
Stainless Steel
All Ferrometal Types



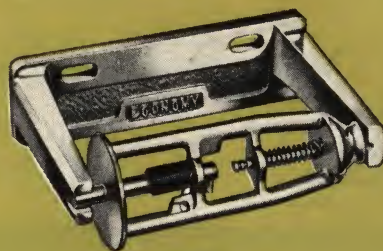
Cabinet Paper Holder
Single or Double Fold



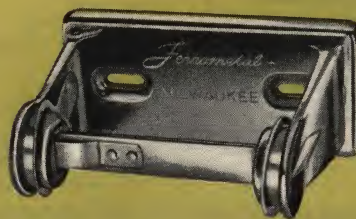
Steiner 2 Roll Dispenser
Available also from
paper dealer



Coat Hook & Bumper
Inswing Door

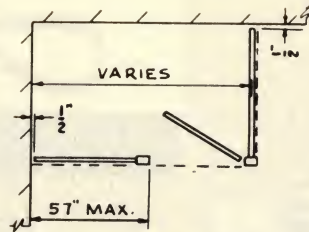


Economy Roll
Paper Holder

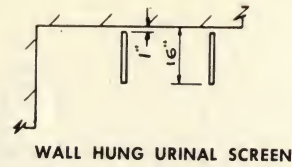


Roll Paper Holder
Friction braking

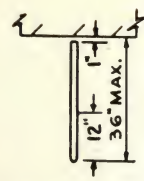
installation and construction details



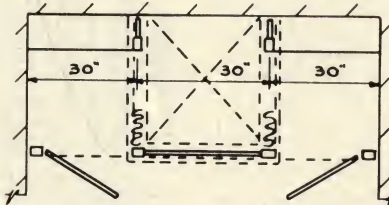
CORNER ENCLOSURE



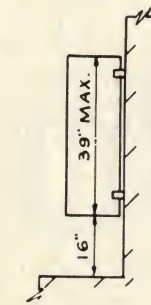
WALL HUNG URINAL SCREEN



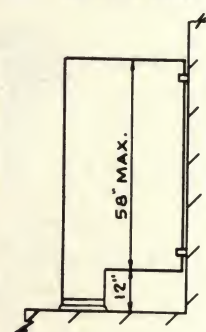
FLOOR SUPPORTED URINAL SCREEN



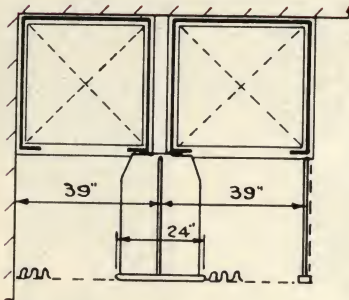
SHOWER WITH 2 DRESSING COMPARTMENTS
Curb by Others.



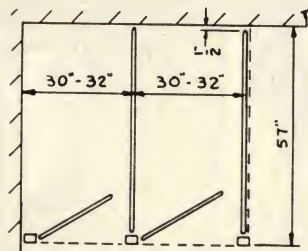
ELEVATION WALL
HUNG URINAL



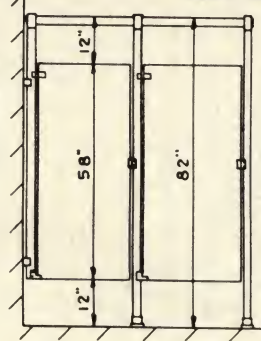
ELEVATION OF FLOOR
SUPPORTED SCREENS
Do Not Exceed
Recommended Dimension.



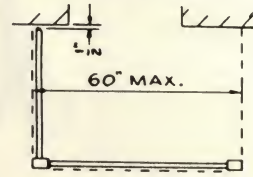
Ferrolux Shower Cabinets With
Dressing Enclosures. For details
of showers see page 12.



DOORS ON 2" PILASTERS
Recommended for 30" Center
Enclosures, But Not to Exceed
32" Centers.

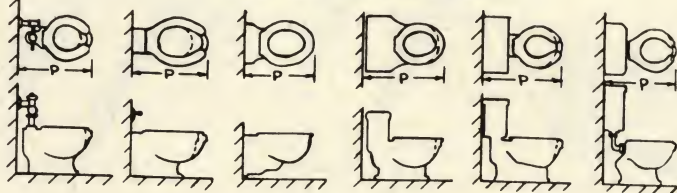
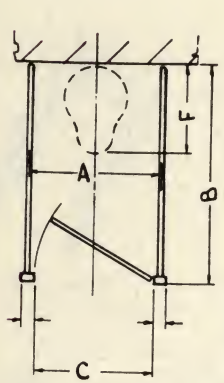


ELEVATION DOORS ON
2" PILASTERS



ENTRANCE SCREEN

TABLE OF FIXTURE CLEARANCES



WATER CLOSET STANDARDS

BOWLS FOR DIRECT — FLUSH VALVE									
REGULAR					ANGLE		WALL HUNG		
S-J	R-T	WD	BO	S-J	BO	S-J	BO	S-J	BO
24" to 25 1/2"	25"	22 1/2"	26"	None	30"	24"	25"	21 1/2"	20"
26" to 28"	25 1/2"	25 1/2"	26"	None	26"	24"	25"	21 1/2"	20"
28" to 30"	27 1/2"	27 1/2"	26"	None	26"	24"	25"	21 1/2"	20"
30" to 32"	29"	29"	26"	None	26"	24"	25"	21 1/2"	20"

ONE PIECE			CLOSE COUPLED			LOW TANK		
S-V	S-J	R-T	S-V	S-J	R-T	WD	S-J	R-T
27"	27 1/2"	27"	26 1/2"	26 1/2"	26 1/2"	26"	27"	27"
29"	29 1/2"	29 1/2"	28 1/2"	28 1/2"	28 1/2"	28"	29"	29"
31"	31"	31"	30"	30"	30"	30"	31"	31"

FIXTURE PROJECTION ALLOWANCE CHART FOR
FERROMETAL PARTITION ASBY'S USING SHR,
CH, OR FT TYPE CONST.

A	B	C	D	E	F	G
30"	48"	24"	3"	6"	25 1/2"	4"
30"	57"	24"	3"	6"	34 1/2"	4"
30"	48"	26"	2"	4"	24 3/4"	3"
30"	57"	26"	2"	4"	33 3/4"	3"
32"	48"	24"	4"	8"	26 1/2"	5"
32"	57"	24"	4"	8"	35 1/2"	5"
32"	48"	26"	3"	6"	24 3/4"	4"
32"	57"	26"	3"	6"	33 3/4"	4"
32"	48"	28"	2"	4"	23 1/4"	3"
32"	57"	28"	2"	4"	32 1/4"	3"
34"	48"	24"	5"	10"	27 1/4"	6"
34"	57"	24"	5"	10"	36 1/4"	6"
34"	48"	28"	3"	6"	23 1/4"	4"
34"	57"	28"	3"	6"	32 1/4"	4"
34"	48"	30"	2"	4"	21 1/4"	3"
34"	57"	30"	2"	4"	30 1/4"	3"
36"	48"	26"	5"	10"	24 3/4"	6"
36"	57"	26"	5"	10"	33 3/4"	6"
36"	48"	30"	3"	6"	21 1/4"	4"
36"	57"	30"	3"	6"	30 1/4"	4"
36"	48"	32"	2"	4"	19 1/4"	3"
36"	57"	32"	2"	4"	28 1/4"	3"

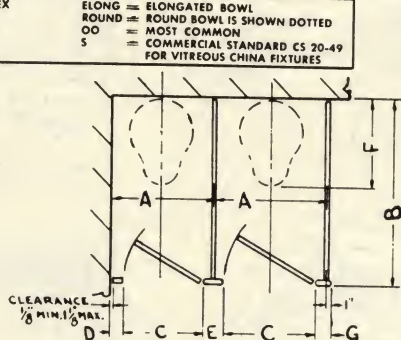
ABOVE ALL APPLY TO SHR FLUSH & PANEL
TYPES - CH & FT MINIMUM "E" - 8
TYPES - CH & FT MINIMUM "G" - 6

SHR ONLY WITH FULL WIDTH
DOORS AS SHOWN ABOVE

A	B	C	F
30"	48"	28 1/4"	23"
30"	57"	28 1/4"	32"
32"	48"	30 1/4"	21 1/4"
32"	57"	30 1/4"	30 1/4"
34"	48"	32 1/4"	19 1/2"
34"	57"	32 1/4"	28 1/2"
36"	48"	34 1/4"	17 1/2"
36"	57"	34 1/4"	26 1/2"

- A CENTER TO CENTER OF STALLS
- B DEPTH OF STALL
- C DOOR OPENING
- D WALL PILASTER
- E INTERMEDIATE PILASTER
- F FIXTURE PROJECTION
- G END PILASTER

Doors swing clear of fixture projection
as listed 1" lane inch when fixtures
are on center line of stall.

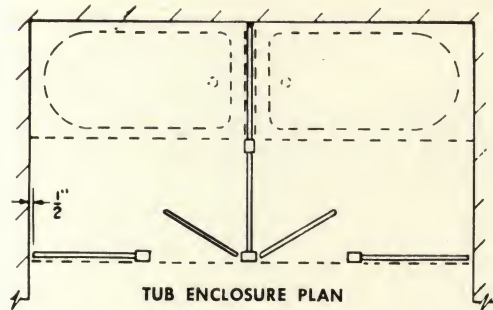


CLEARANCE
1/8 MIN. 1/2 MAX.

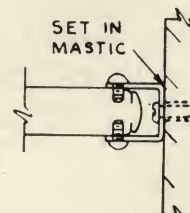
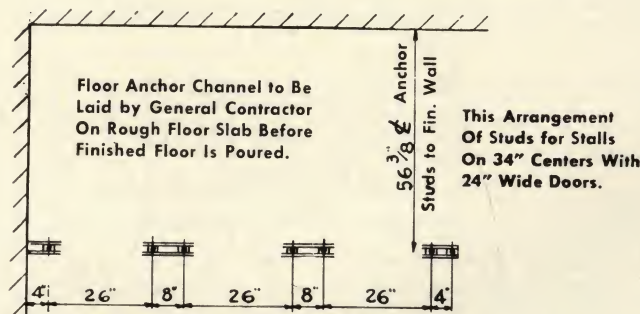
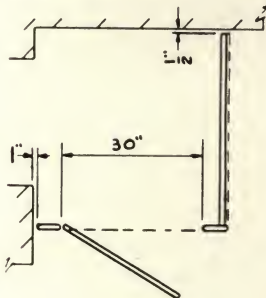
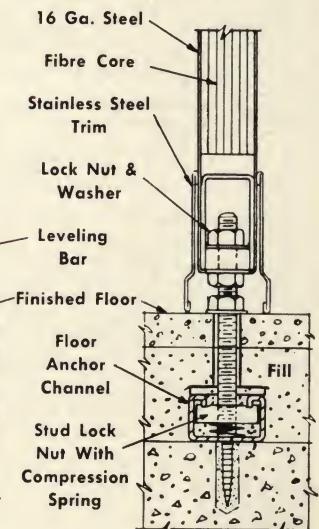
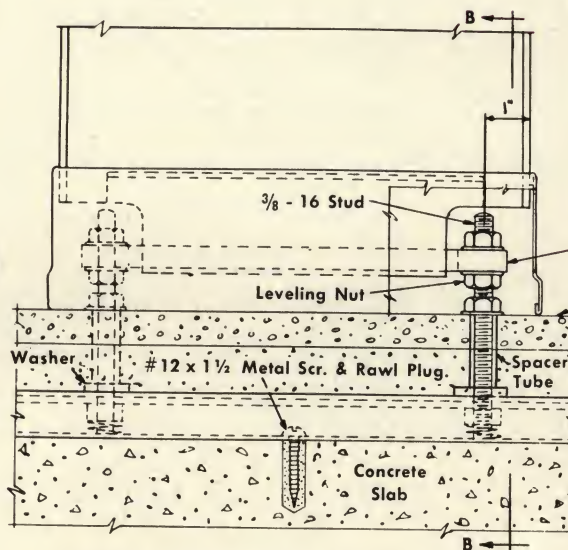
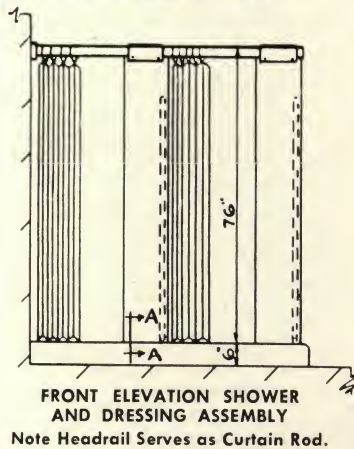
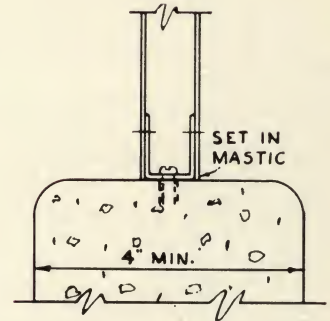
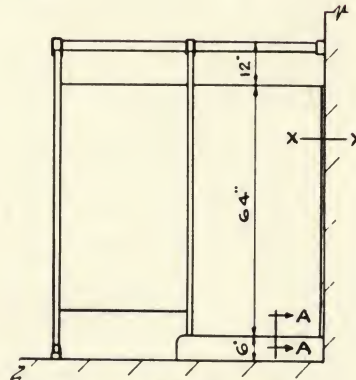
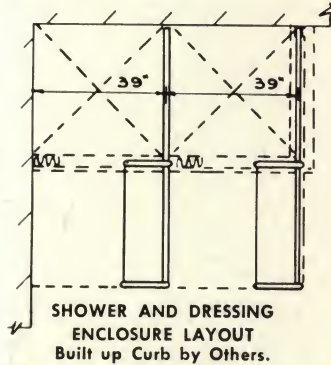
Maximum fixture projection for
stalls with pilasters when doors swing in

Maximum fixture projection for
stalls with full width doors when
doors swing in.

INSTALLATION DETAILS



Plan & Elev. 1/4" = 1'
Sections 3" = 1'



Ferrometal

PARTITION REPRESENTATIVES

ALABAMA
MOBILE: Shearer & Rayford P. O. Drawer "E", Crichton Station, Telegrams—2504 Old Shell Rd.

ARKANSAS
LITTLE ROCK: Arkansas Foundry Co., 1501 E. 6th Street.

ARIZONA
PHOENIX: Baker-Thomas-Woolsey Wholesale, P. O. Box 2410 (Mailing Address) 300 S. 12th St. (Delivery Address).

CALIFORNIA
LOS ANGELES: Petley, Inc., 5425 E. Slau-son Avenue, Zone 22.
SAN FRANCISCO: R. A. Parker Company, 250 Seventh Street.

COLORADO
DENVER: Colorado Builder's Supply Co., 1534 Blake Street.

CONNECTICUT
WEST HARTFORD: The Elcin Corp., P. O. Box 181, Elmwood (Telegrams—25 Yale Street, Elmwood, West Hartford).

DISTRICT OF COLUMBIA
WASHINGTON: The Mathy Company, 1915 H Street N. W., Zone 6.

FLORIDA
JACKSONVILLE: Aichel Steel & Supply Company, 2205 Edison Avenue, Zone 3.
MIAMI: Selico Metal Products, 3829 N.W. 37th Court.

ORLANDO: Southeast Steel Sales Co., 437 N. Garland, P. O. Box 299, (Sessco.) Cable Address.

TAMPA: Wagner Distributors, 1505 Grand Central.

GEORGIA
ATLANTA: L. E. Murray, Northside Station, P. O. Box 11975.

AUGUSTA: Slusky Builders Supplies, Inc., 1009 Broad Street.

MACON: Dixie Metal Company, 304 5th Street.

SAVANNAH: McCarthy, Inc., P. O. Box 624.

IDAHO
BOISE: Hal Brown, P. O. Box 966 (Mail Address), 2120 Sunrise Rim Rd. (Cable Address).

ILLINOIS
CHICAGO: Walter W. Mitchell Company, 549 W. Randolph Street, Zone 6.

DANVILLE: Material & Fuel Company, 705 Section Street.

DECATUR: Ornamental Metalworks Co., 440 South Franklin Street, P. O. Box 989.

MOLINE: Builders' Sales & Service Co., 202 34th Street.

PEORIA: Geo. B. Schneider Co., 3303 Prospect Rd.

SOUTH BELOIT: Beloit Bridge & Iron Co., 126 Shirland Avenue.

SPRINGFIELD: Peter Vredenburg Lumber Co., 3rd and Jefferson Streets.

INDIANA
ELKHART: Miller Steel & Supply Co., 920 N. Plum Street.

FORT WAYNE: Donald H. Erwin Sales, 2707 1/2 South Calhoun.

HAMMOND: Standard Equipment & Supply Co., 5020 Hohman.

INDIANAPOLIS: M. S. Churchman Company, 1107 Burdial Parkway, Zone 7.

IOWA
DES MOINES: Kennedy & Company, 110 S. F. 6th Street.

SIOUX CITY: Eugene F. Wilsey, P. O. Box 924 (Mailing Address).

KANSAS
TOPEKA: Building Specialties & Equip-ment Co., Inc., P. O. Box 1014, 603 Topeka Blvd.

WICHITA: Building Specialties & Equip-ment Co., Inc., P. O. Box 523, 1727 E. 2nd Street.

KENTUCKY
LEXINGTON: Russell Shroat Co., 451 Henry Clay Blvd.

LOUISVILLE: J. W. Shaughnessy Co., P. O. Box 144, Valley Station.

OWENSBORO: Universal Services, Inc., 2015 Parrish Avenue.

LOUISIANA
NEW ORLEANS: L. C. Lohman & Asso-ciates, P. O. Box 4164 (Mailing Address) 357 Broadway.

MAINE
TENANTS HARBOR: E. L. Matthews, Glen-mere Road.

MARYLAND
BALTIMORE: Consolidated Supply Com-pany, 2800 Sisson Street, Zone 11.

MASSACHUSETTS
BOSTON: Wills & Hill, Inc., 99 Bedford Street, Zone 11.

SPRINGFIELD: The Ridgewood Co., P. O. Box 86, Northampton.

MICHIGAN
DETROIT: Walter M. Rogers Company, 3123 E. Jefferson Avenue.

CHEBOYGAN: Northern Sales Company, Levine Bldg., Box 567.

GRAND RAPIDS: Ed. Brunhoff, P. O. Box 93-C, Zone 7.

KALAMAZOO: Mamer Supply Company, P. O. Box 947 (Wire), 219 S. Westnedge Avenue.

MARQUETTE: C. T. DeHaas Company, Kaufman Building, P. O. Box 89.

SAGINAW: Koehler Brothers, 2000 Hol-land Street.

MINNESOTA
MINNEAPOLIS: Hauenstein & Burmeister, Inc., 2629 30th Avenue, South, Zone 6.

MISSISSIPPI
JACKSON: Contractors Materials Com-pany, 182 Gallatin Street, Box 3421, W. Jackson Station.

MISSOURI
KANSAS CITY: Houston Company & As-sociates, 3221 Troost Avenue.

ST. LOUIS: Building Products Company, 705 Chestnut Street, Zone 1.

SPRINGFIELD: Reynolds Manufacturing Co., P. O. Box 1065 S.S.S.

MONTANA
BILLINGS: Wm. M. Kennedy Co., 1145 N. 32nd Street.

NEBRASKA
OMAHA: Builder's Products Company, 3928 Lake Street

NEW HAMPSHIRE
NORTHERN HALF: See Tenants Harbor, Maine.

SOUTHERN HALF: See Boston, Mass.

NEW MEXICO
ALBUQUERQUE: Cobusco Steel Products, 2001 E. Gold Avenue, P. O. Box 4114, Station "A".

NEW YORK
ALBANY: Austin F. Loucks, Jr. and Com-pany, 257 Quail Street, Zone 8.

LANCASTER: Bradco Products Company, 3815 Walden Avenue.

ROCHESTER: Homer R. Roodenburg, 100 Highland Avenue, Zone 20, (Airmail and Special Delivery Address).

WEBSTER: Homer R. Roodenburg, 648 Bay Road, (Reg. Mail, Wires, Literature).

SYRACUSE: Bilcon's Bldrs. & Contr. Spec-ialties, 2846 S. Salina Avenue, Zone 5.

NORTH CAROLINA
ASHVILLE: Southern Sales Engineering Co., P. O. Box 1525.

CHARLOTTE: Construction Materials Co., 3826 Raleigh Street.

CHARLOTTE: Montague & Company, P. O. Box 633, 1231 W. Morehead St. (Wires).

GREENSBORO: Carolina Steel Corpora-tion, Drawer F.

WILMINGTON: Queensboro Steel Cor-poration, P. O. Box 1376 (Mailing Ad-dress), 13 Wright Street.

WINSTON-SALEM: Salem Steel Company, P. O. Box 2091.

NORTH DAKOTA
SEE MINNEAPOLIS, MINNESOTA.

OHIO
AKRON: Botzum Brothers, 100 N. High Street.

CANTON: S. R. Detwiler Company, 718 McKinley Avenue.

CINCINNATI: Massco, Inc., 5300 Vine Street, Perlite Building, (St. Bernard).

CLEVELAND: C. F. Ireland, 405 Caxton Building.

COLUMBUS: Howard S. Sterner Company, 12 South Third Street.

DAYTON: Dayton Fabr. Steel Company, 1300 E. Monument Avenue.

YOUNGSTOWN: Reilly Metal Products, P. O. Box 2037.

OKLAHOMA
OKLAHOMA CITY: Engineering Services, P. O. Box 1076, 2211 N. W. 1st Street Terrace.

TULSA: Builder's Hardware & Supply Co., 123 E. First Street, Zone 3.

PENNSYLVANIA
ERIE: Electroweld Mfg. Company, 1301 Cranberry Street.

HARRISBURG: R. P. Campbell Company, 608 N. 17th Street.

PHILADELPHIA: Acousti-Craft Inc., 5242 Whitby Avenue, Zone 43.

PITTSBURGH: Engineering Sales Company, P. O. Box 7968, 550 McNeilly Rd.

SOUTH CAROLINA
CHARLESTON: Carolina Supply & Cement Company, P. O. Box 264, Zone 11.

SPARTANBURG: Piedmont Iron Works, Inc., P. O. Box 2498, Station "A".

SOUTH DAKOTA
RAPID CITY: North Central Supply, Inc., P. O. Box 187, 920 1-2 East St. Patrick Street.

TENNESSEE
KNOXVILLE: Construction Services Com-pany, P. O. Box 3333, Zone 17.

MEMPHIS: Maury & Company, 1612 La-mar, P. O. Box 3753.

NASHVILLE: Builders Specialties, Inc., 1523 Demonbreun Street, Zone 3.

TEXAS
AUSTIN: Strauss-Frank Company, 2708 S. LaMar Blvd., Zone 4.

CORPUS-CHRISTI: Strauss-Frank Company, 601 Waco Street.

DALLAS: Volkmer & Kratz Building Prod-ucts, 6638 Maple Avenue, Zone 35.

EL PASO: Modern Iron Works, Inc., 1600 E. Missouri Street.

FORT WORTH: Cain's Builders Supply Company, 1933 Vickery Blvd.

HOUSTON: Lehman Steel Products Com-pany, 2423 Dunstan Rd., P. O. Box 6776.

LUBBOCK: Western Brick & Supply Com-pany, 410 34th Street, P. O. Box 414.

SAN ANTONIO: Strauss-Frank Company, P. O. Box 8125, 3800 San Pedro, Zone 12.

UTAH
SALT LAKE CITY: Cobusco Steel Prod-ucts, 660 W. S. Temple Street.

VERMONT
SEE TENANTS HARBOR, MAINE.

VIRGINIA
NORFOLK: Door Engineering Company, 700 Front Street, Zone 7.

RICHMOND: Cruickshanks Iron Works Co., Dineen Street and S.A.L.R.R.

ROANOKE: A. L. Horwitz, Boxley Build-ing, P. O. Box 496.

WASHINGTON
SEATTLE: F. T. Crowe & Company, 329 Second Avenue, West, Zone 99.

WEST VIRGINIA
CHARLESTON: Fireproof Products Com-pany, P. O. Box 2311, Zone 28.

WHEELING: Wm. N. Jasper (City Iron Works), 33rd and Water Streets.

WISCONSIN
BELOIT: Beloit Bridge & Iron Company, P. O. Box 782.

GREEN BAY: H. J. Martin & Son, 1338 Velp Avenue.

WAUWATOSA: Wauwatosa Fuel & Sup-ply Company, 7700 West State Street, Zone 13.

WAUSAU: W. E. Grothaus, 721 McClellan Street.

WYOMING
CASPER: Colorado Builder's Supply Co., P. O. Box 480.

HAWAII
HONOLULU: Honolulu Iron Works, P. O. Box 3140, Zone 2.

(CABLE): Honiron Honolulu.

CUBA
HAVANA: Fiberglass Distributors, Inc., San Ignacio, No. 162.

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MILWAUKEE STAMPING CO.

CHICAGO 51, ILLINOIS

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